IN THE SPECIFICATION:

Please replace paragraph beginning at page 12, line 1, with the following rewritten paragraph:

C1 —Fig. 5. PCR products and primers (SEQ ID NOS:1-3) from the lacZ (ß-galactosidase) gene sequence. The location of the 11 bp Xba linker (SEQ ID NO:4) is shown.—

Please replace paragraph beginning at page 17, line 8, with the following rewritten paragraph:

C7 —Figs. 20A and 20B. The organization of the mouse OTC gene. Sequence of cssDNA probes and PCR primers used in this study are indicated (SEQ ID NO:5). Sizes of the exons in basepairs are indicated. The relative position of PCR primers M9, M8 and M11 are shown. B) Map of plasmid pTAOTC1. A 250 bp fragment containing the normal OTC exon4 sequence and surrounding introns were cloned into the EcoRV site of pbluescript SK (+) (Stratagene).—

Please replace paragraph beginning at page 17, line 13, with the following rewritten paragraph:

C3 —Fig. 21. Sequence analysis of exon4 of the mouse OTC gene in founder mice. PCR amplification of genomic DNA from tail biopsies of a pool of all of the homozygous (spf-ash/spf-ash) females used as egg donors and each indicated individual founder mice were sequenced using cycle sequencing with the M11 primer (Cyclist kit, Stratagene). The DNA sequence surrounding the spf-ash locus (arrow) in the OTC gene is shown (SEQ ID NO:6).—

Please replace paragraph beginning at page 51, line 1, with the following rewritten paragraph:

C4 —The plasmid pMC1lacpA (8.4 kb) contains the strong polyoma virus promoter of transcription plus ATG placed in front of the lacZ gene. The polyadenylation signal from SV40 virus was placed in back of the lacZ gene. The plasmid vector was pIB130 from IBI (New Haven, CT). The mutant vector pMC1lacpA has a 11-bp insertion in the XbaI site consisting of the inserted sequence CTCTAGACGCG (see Figure 5; SEQ ID NO:4).—

Please replace paragraph beginning at page 69, line 11, with the following rewritten paragraph:

C5 —We synthesized two 20-bp primers (PCRα and PCRβ)for producing a 276-bp PCR product (see Figure 5; SEQ ID NOS:1-3) from the wild-type lacZ sequence for use as targeting polynucleotides.